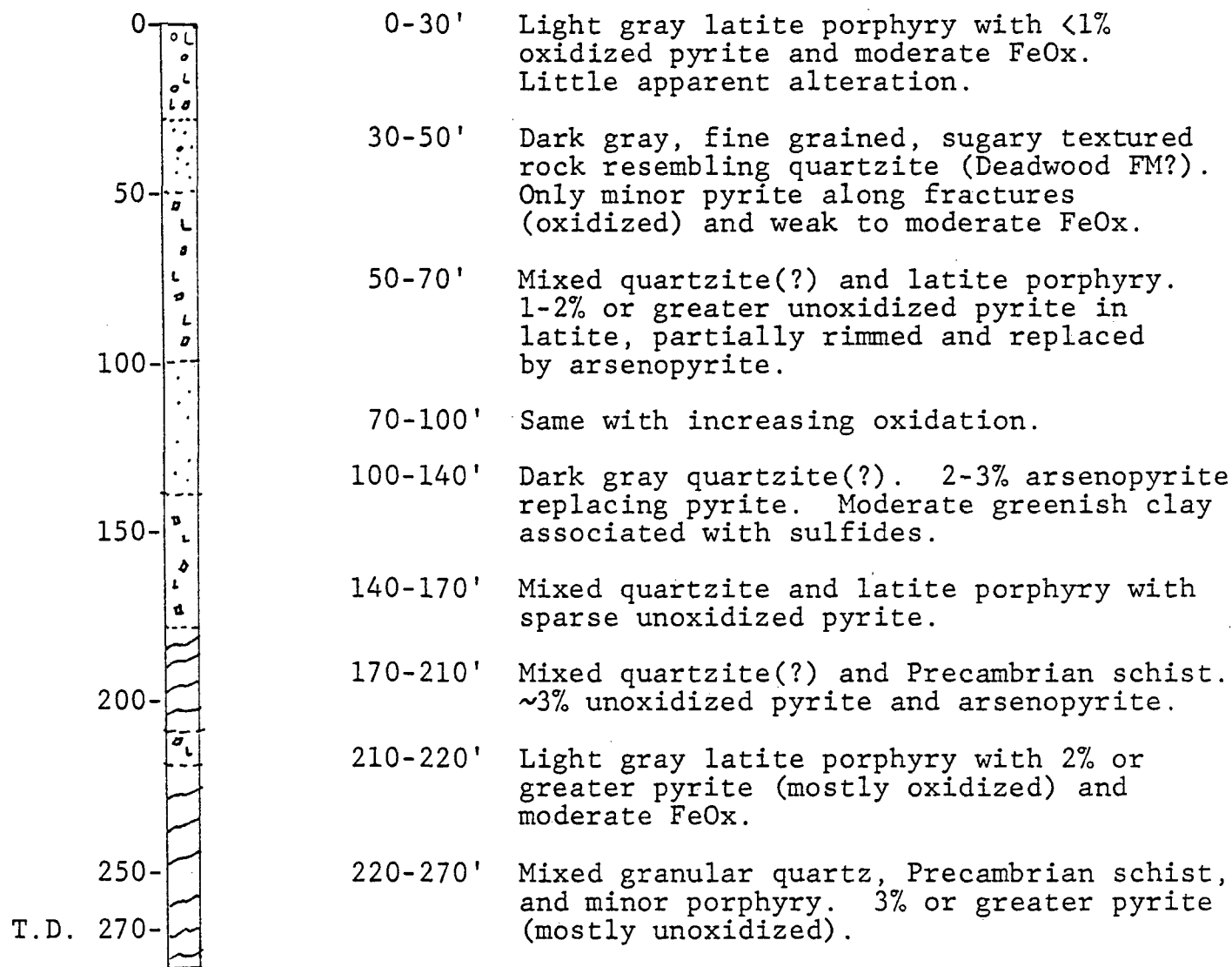


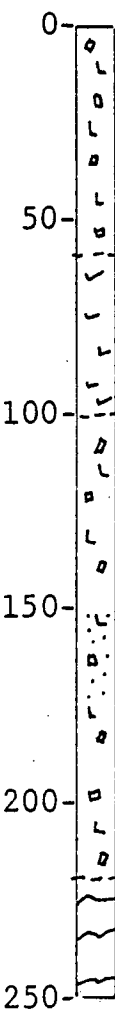
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-82



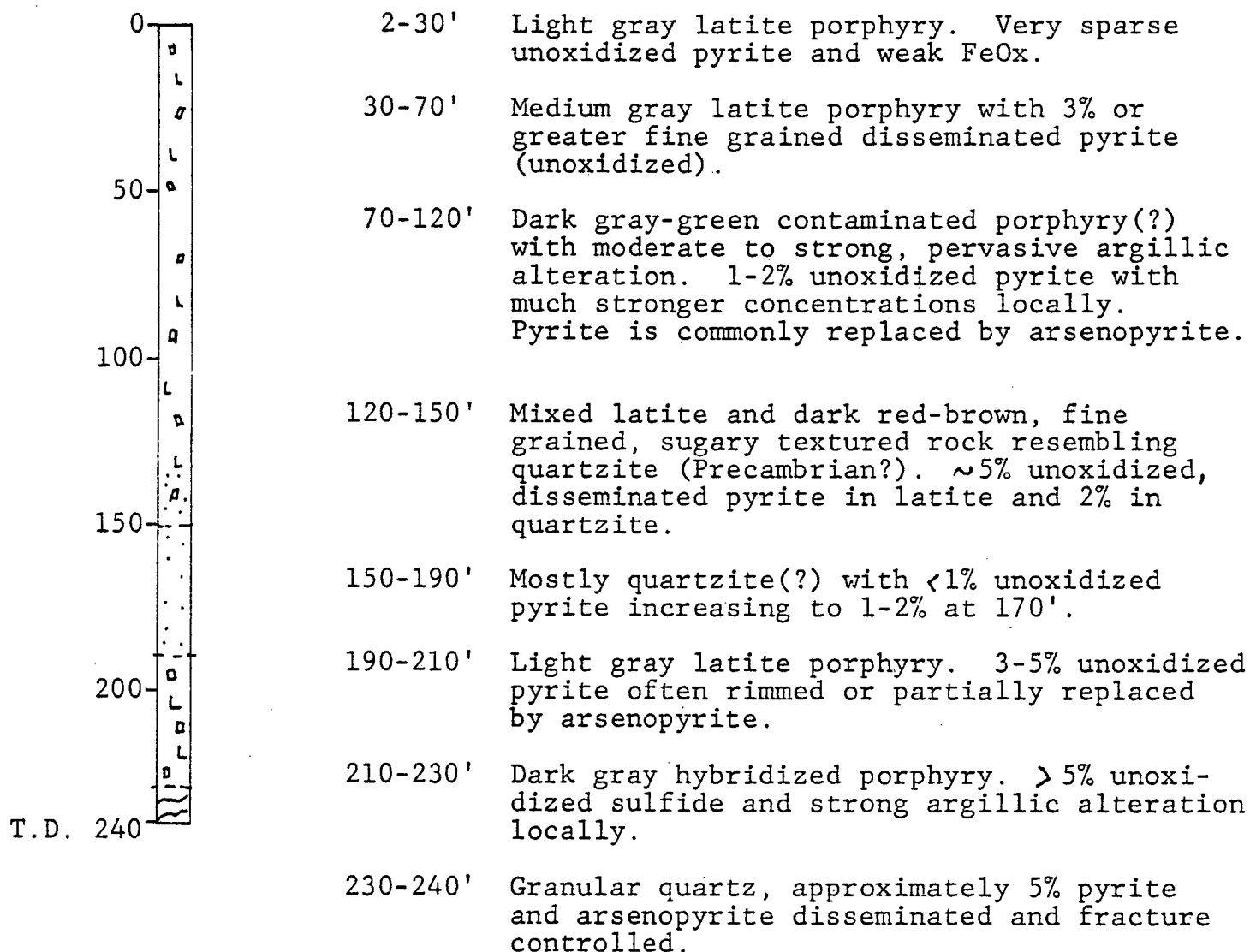
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-83

	<table> <tr> <td style="vertical-align: top;">0-40'</td><td>Medium gray latite porphyry with 2-3% oxidized pyrite and moderate FeOx.</td></tr> <tr> <td style="vertical-align: top;">40-50'</td><td>Same with ~5% oxidized pyrite and strong FeOx (hematite).</td></tr> <tr> <td style="vertical-align: top;">50-60'</td><td>Same with 2% disseminated, unoxidized pyrite.</td></tr> <tr> <td style="vertical-align: top;">60-80'</td><td>Medium to dark gray rhyolite(?) mixed with some latite porphyry. 2% unoxidized pyrite often very fine grained and replaced by arsenopyrite.</td></tr> <tr> <td style="vertical-align: top;">80-100'</td><td>Same, but more oxidized with moderate FeOx. Increasing sulfides and porphyry 90-100'.</td></tr> <tr> <td style="vertical-align: top;">100-130'</td><td>Medium gray latite porphyry. ~5% fine grained, unoxidized pyrite largely replaced by arsenopyrite.</td></tr> <tr> <td style="vertical-align: top;">130-150'</td><td>Same with sulfides decreasing to 2-3% and some mixed dark gray, sugary textured rock. (contaminated porphyry(?)).</td></tr> <tr> <td style="vertical-align: top;">150-170'</td><td>Mostly dark gray sugary textured rock (contaminated porphyry or Precambrian quartzite?). 1-2% unoxidized sulfides.</td></tr> <tr> <td style="vertical-align: top;">170-210'</td><td>Medium gray latite porphyry. ~5% disseminated, unoxidized pyrite and arsenopyrite.</td></tr> <tr> <td style="vertical-align: top;">210-220'</td><td>Same but increased oxidation and FeOx.</td></tr> <tr> <td style="vertical-align: top;">220-240'</td><td>Granular, milky white quartz and Precambrian mica schist. 2% unoxidized pyrite often rimmed and replaced by arsenopyrite.</td></tr> <tr> <td style="vertical-align: top;">240-250'</td><td>Same, but mostly Precambrian mica schist.</td></tr> </table>	0-40'	Medium gray latite porphyry with 2-3% oxidized pyrite and moderate FeOx.	40-50'	Same with ~5% oxidized pyrite and strong FeOx (hematite).	50-60'	Same with 2% disseminated, unoxidized pyrite.	60-80'	Medium to dark gray rhyolite(?) mixed with some latite porphyry. 2% unoxidized pyrite often very fine grained and replaced by arsenopyrite.	80-100'	Same, but more oxidized with moderate FeOx. Increasing sulfides and porphyry 90-100'.	100-130'	Medium gray latite porphyry. ~5% fine grained, unoxidized pyrite largely replaced by arsenopyrite.	130-150'	Same with sulfides decreasing to 2-3% and some mixed dark gray, sugary textured rock. (contaminated porphyry(?)).	150-170'	Mostly dark gray sugary textured rock (contaminated porphyry or Precambrian quartzite?). 1-2% unoxidized sulfides.	170-210'	Medium gray latite porphyry. ~5% disseminated, unoxidized pyrite and arsenopyrite.	210-220'	Same but increased oxidation and FeOx.	220-240'	Granular, milky white quartz and Precambrian mica schist. 2% unoxidized pyrite often rimmed and replaced by arsenopyrite.	240-250'	Same, but mostly Precambrian mica schist.
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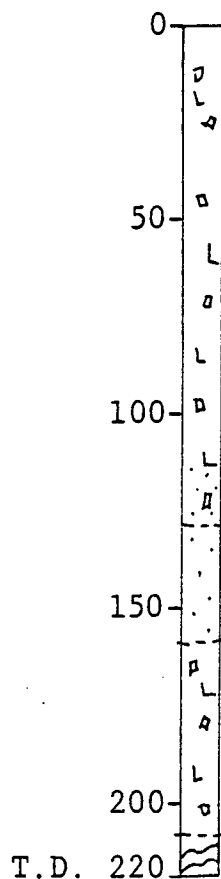
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-84



GILT EDGE PROJECT
Lawrence County, South Dakota

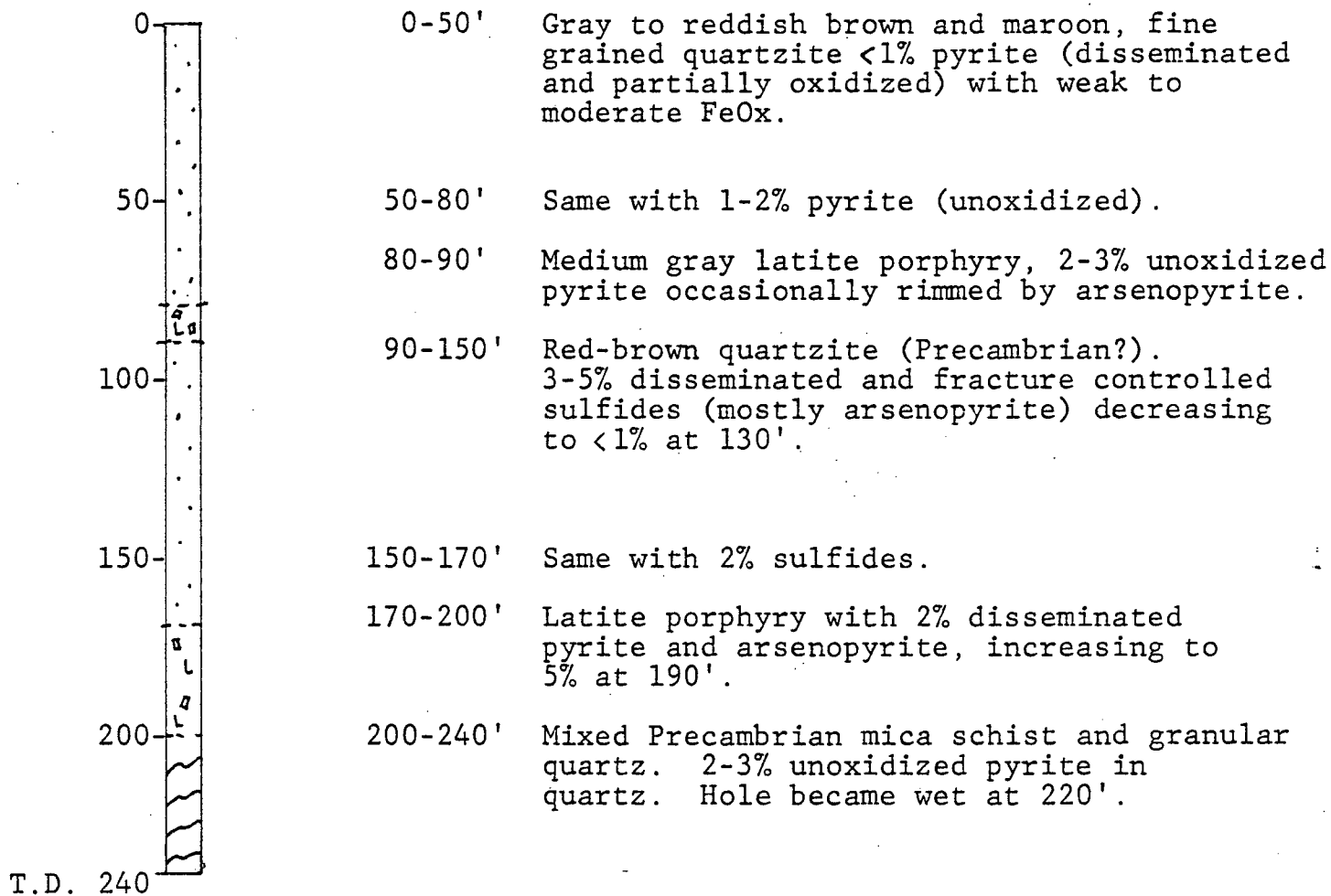
RDH 77-GLE-85



- | | |
|----------|--|
| 2-10' | Loose soil and rock. |
| 10-30' | Dark gray hybridized porphyry. Fine grained resembling quartzite. Very sparse oxidized sulfides and weak FeOx. |
| 30-90' | Same with 2% unoxidized pyrite rimmed by arsenopyrite. |
| 90-110' | Same with 3-5% unoxidized arsenopyrite and pyrite. |
| 110-120' | Light gray latite porphyry. 5% disseminated, unoxidized pyrite, occasionally rimmed by arsenopyrite. |
| 120-130' | Mixed latite porphyry and fine grained reddish brown quartzite (Precambrian?). 5% or greater disseminated sulfides in porphyry, <1% in quartzite. |
| 130-160' | Red-brown quartzite. Very sparse unoxidized pyrite. |
| 160-170' | Light gray latite porphyry. 5% unoxidized arsenopyrite and pyrite. |
| 170-190' | Mixed porphyry and quartzite. 5-10% disseminated and fracture controlled arsenopyrite and pyrite. |
| 190-210' | Light gray latite porphyry with 3-5% unoxidized sulfides. |
| 210-220' | Mixed porphyry and Precambrian schist. Approximately 3% arsenopyrite and pyrite. Hole became wet at 210' and circulation was lost at 220' causing abandonment of the hole at that depth. |

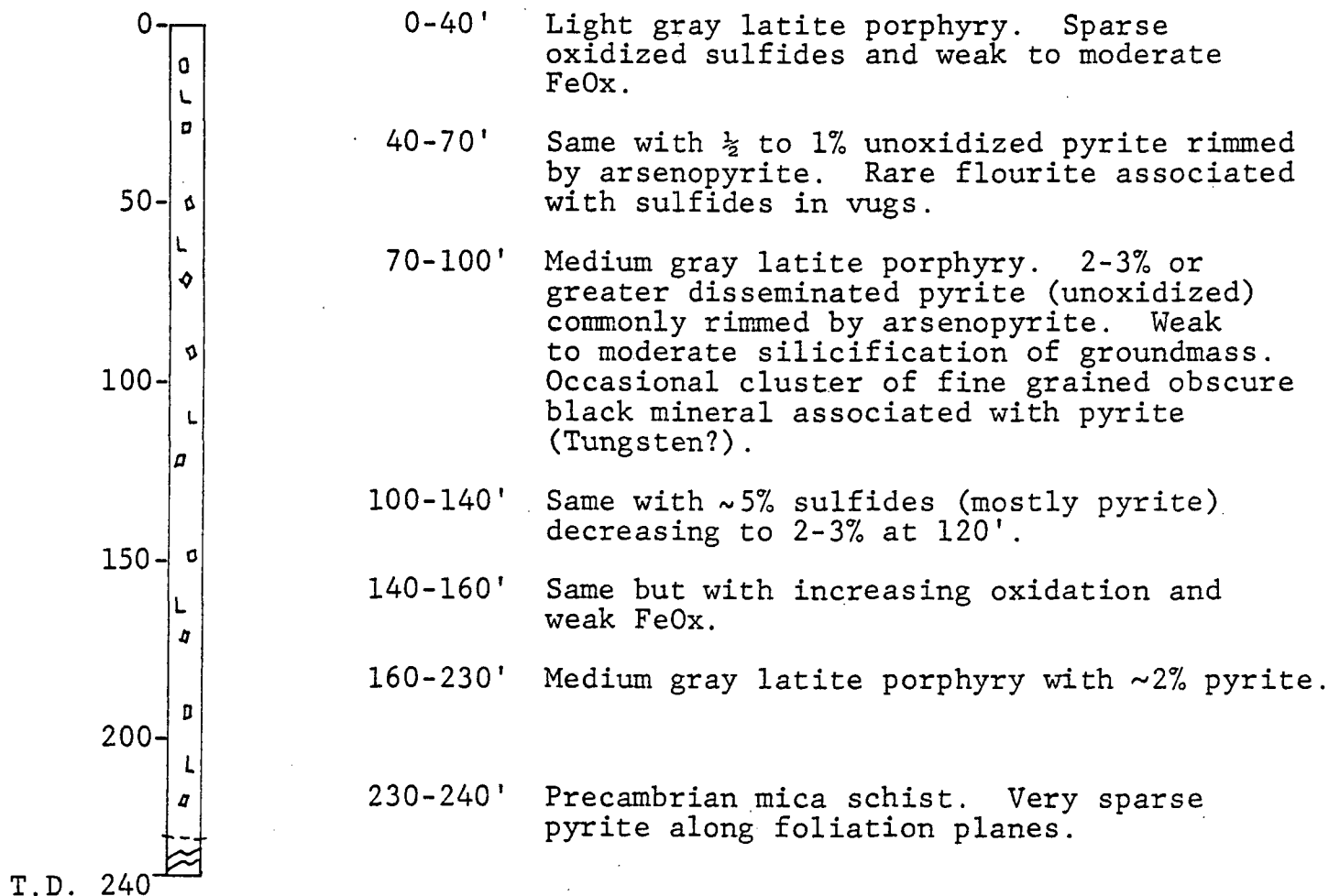
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-86



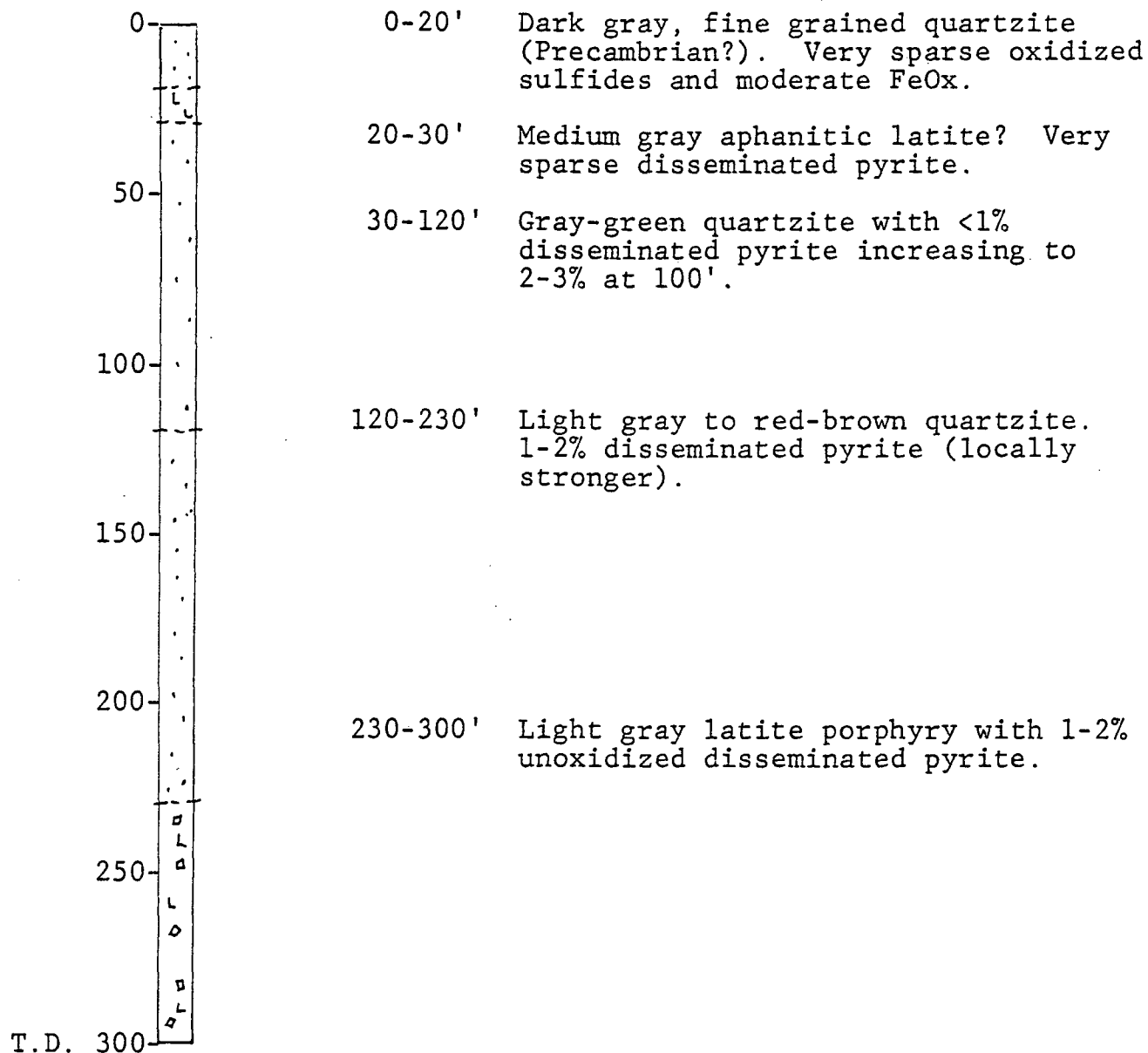
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-87

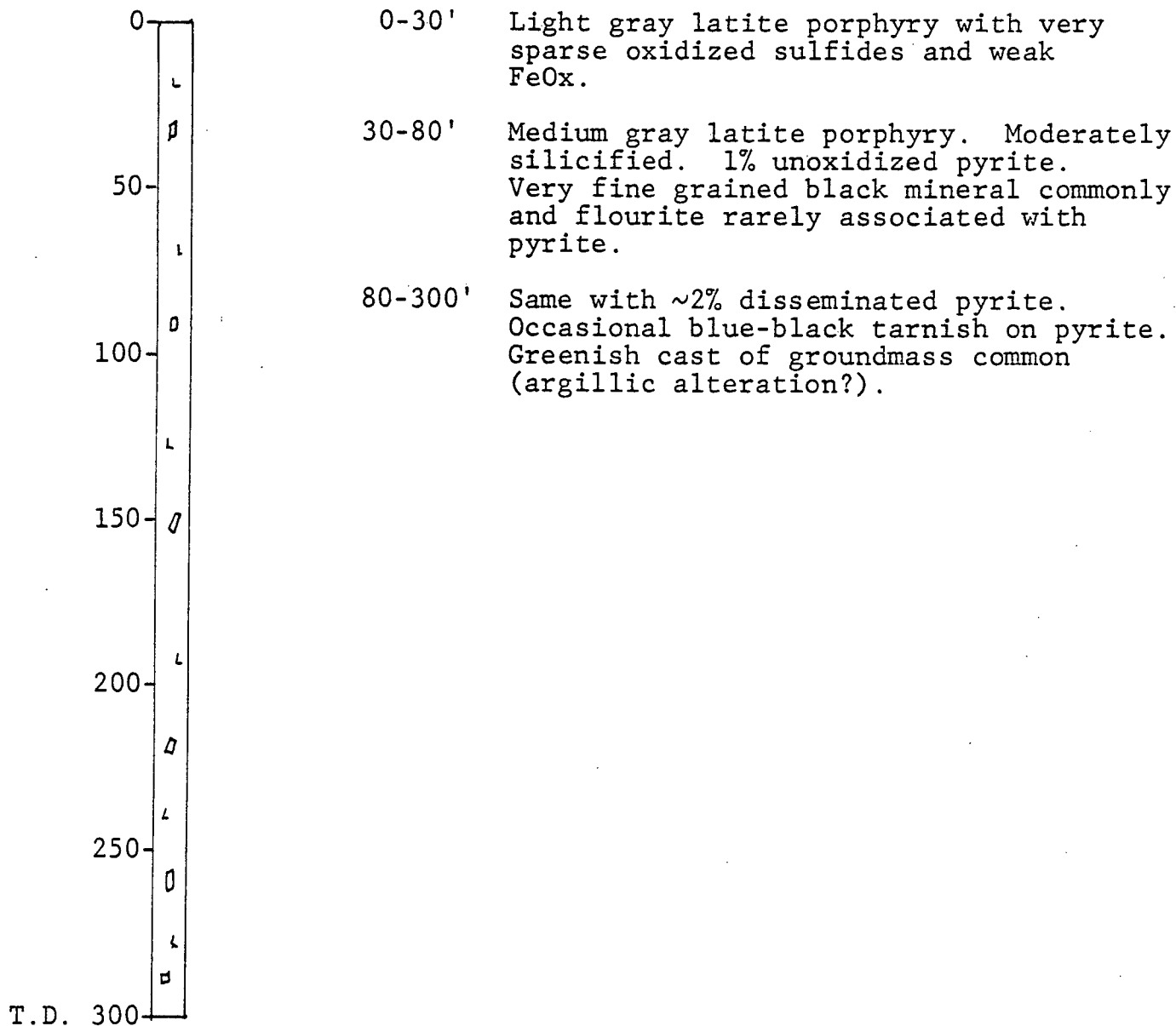


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Lawrence County, South Dakota

RDH 77-GLE-88

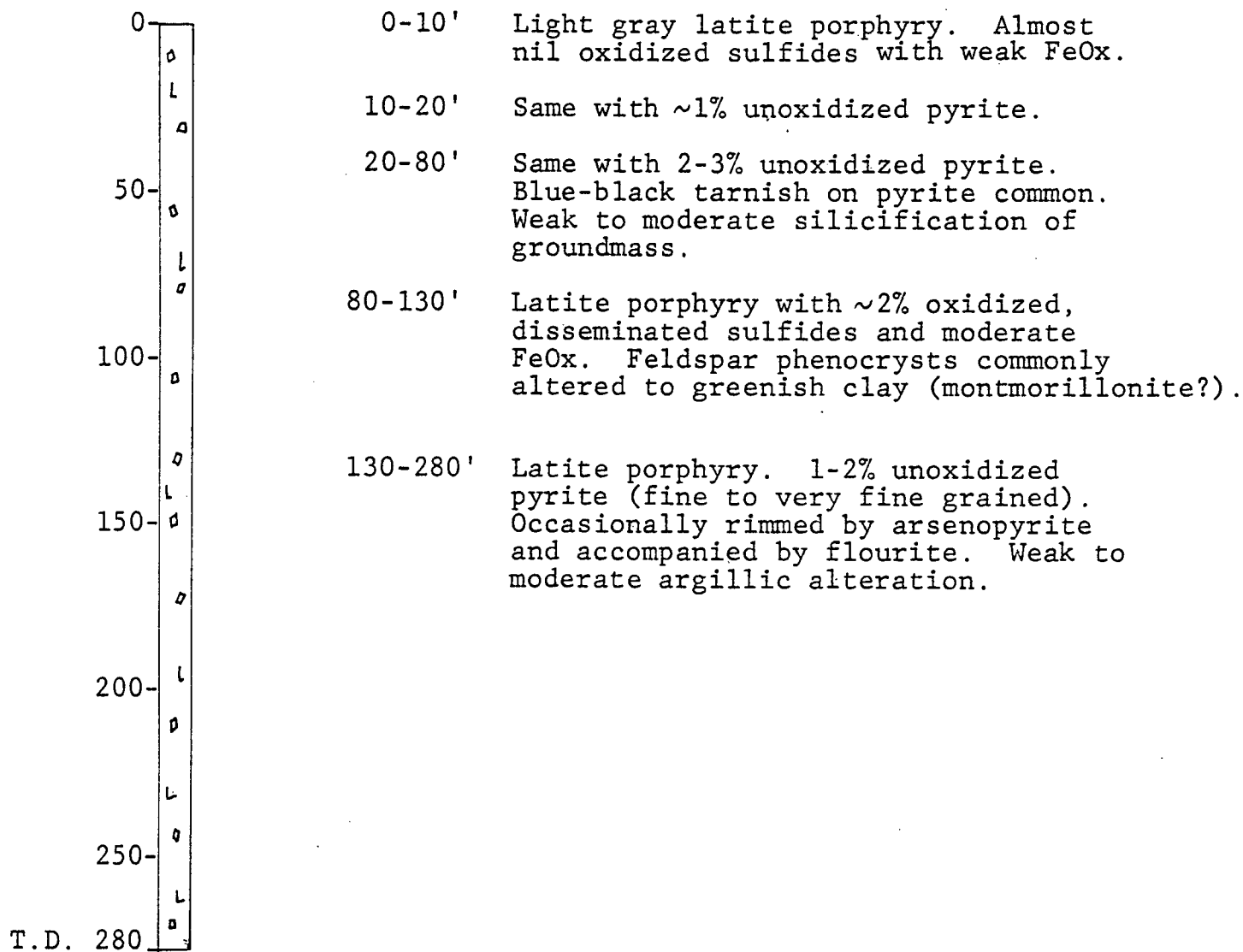


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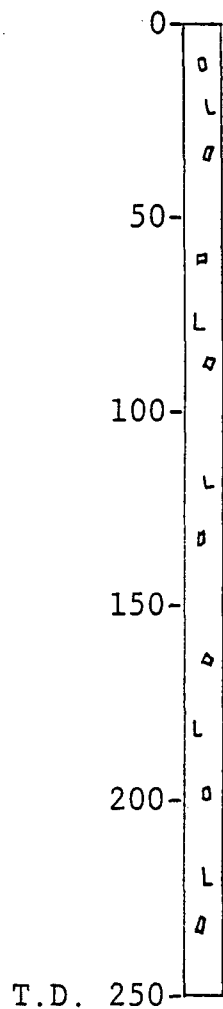
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-90



GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-91

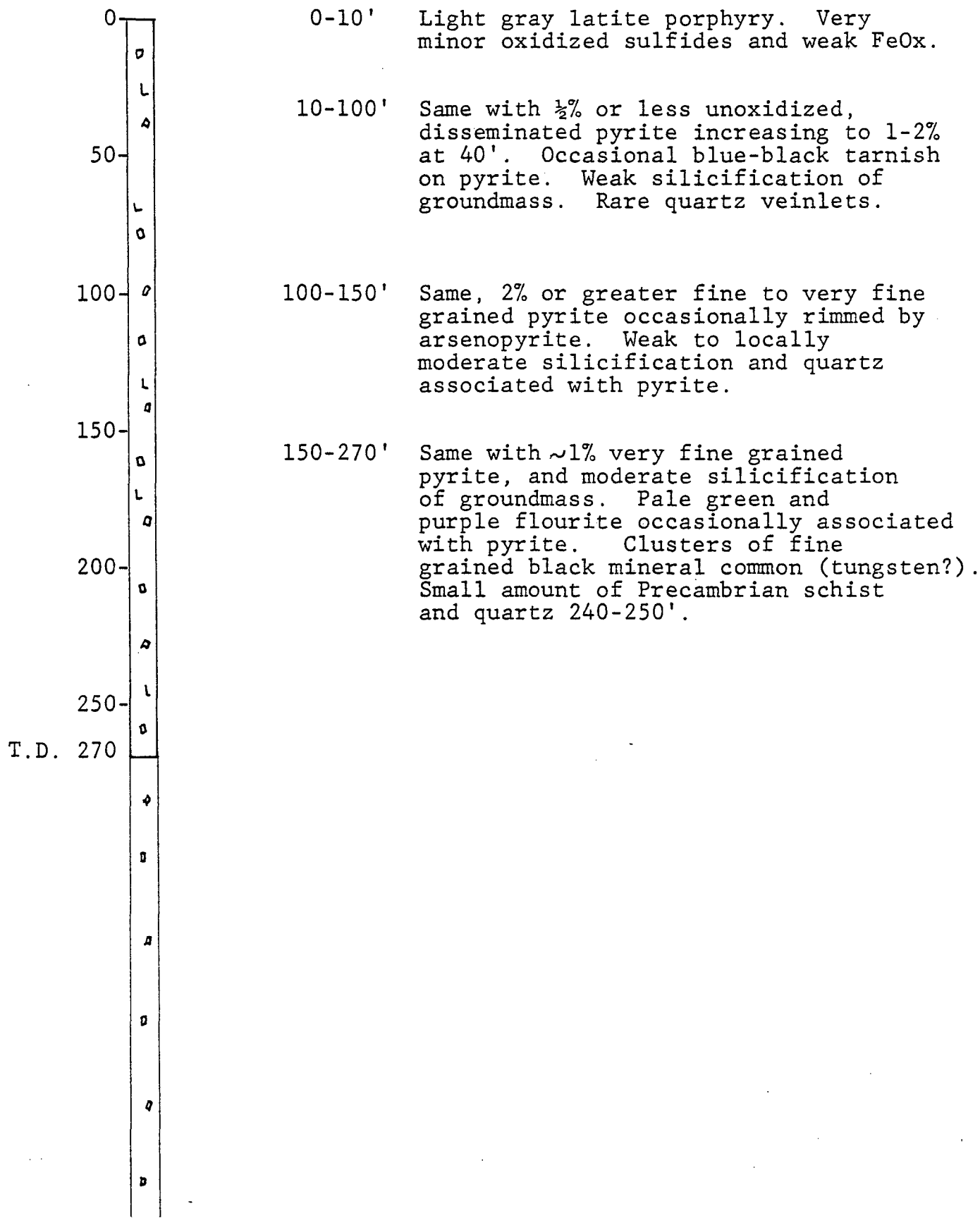


0-190' Light gray latite porphyry with occasional small quartz 'eyes'. Moderate to strong argillic alteration of feldspar phenocrysts. <1/2% oxidized sulfides with weak to moderate FeOx.

190-250' Same with sparse oxidized (partially unoxidized) pyrite. Rock appears relatively unaltered.

GILT EDGE PROJECT
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RDH 77-GLE-92



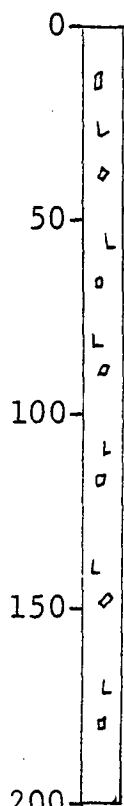
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-93

0		0-10'	Medium gray latite porphyry with ~1% oxidized pyrite and very weak FeOx.
50		10-40'	Same with 2% unoxidized pyrite increasing to 3-5% at 20'. Weak to moderate silicification and weak argillic alteration of feldspar phenocrysts.
100		40-80'	Same with 2% or greater pyrite, commonly with blue-black tarnish. Occasional very fine grained black mineral associated with pyrite (tungsten?).
150		80-120'	Same with ~1% very fine grained pyrite. Minor amount of Precambrian mica schist (Inclusions?). Moderate silicification of groundmass locally.
200		120-200'	Same with increasing silicification and rare sericite along fractures.
T.D. 230		200-230'	Same with 1% or less fine grained pyrite.

GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-94



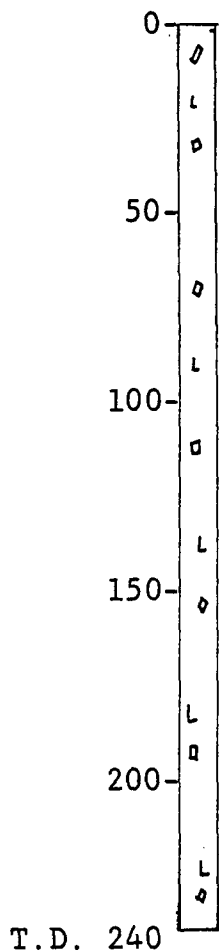
0-90' Latite porphyry with small quartz eyes common. Moderate to locally strong argillic alteration. $\frac{1}{2}\%$ or less oxidized sulfides and weak FeOx.

90-100' Same with ~1% unoxidized pyrite.

100-200' Same with $\frac{1}{2}\%$ or less oxidized sulfides and very sparse FeOx. Moderate argillic alteration of feldspar phenocrysts and weak silicification of groundmass.

GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-95



0-90' Light gray latite porphyry. Very sparse oxidized sulfides and weak FeOx. Moderate argillic alteration of feldspar phenocrysts.

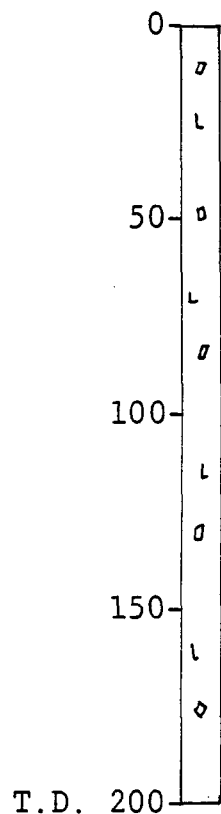
90-180' Same with 2-3% oxidized sulfides and strong to very strong FeOx (hematite and goethite). Tiny quartz eyes common. Weak to moderate silicification and alunitic alteration.

180-210' Medium gray latite porphyry. <1/2% unoxidized pyrite commonly with blue-black tarnish. Moderate, pervasive argillic alteration.

210-240' Same with almost nil sulfides.

GILT EDGE PROJECT
Lawrence County, South Dakota

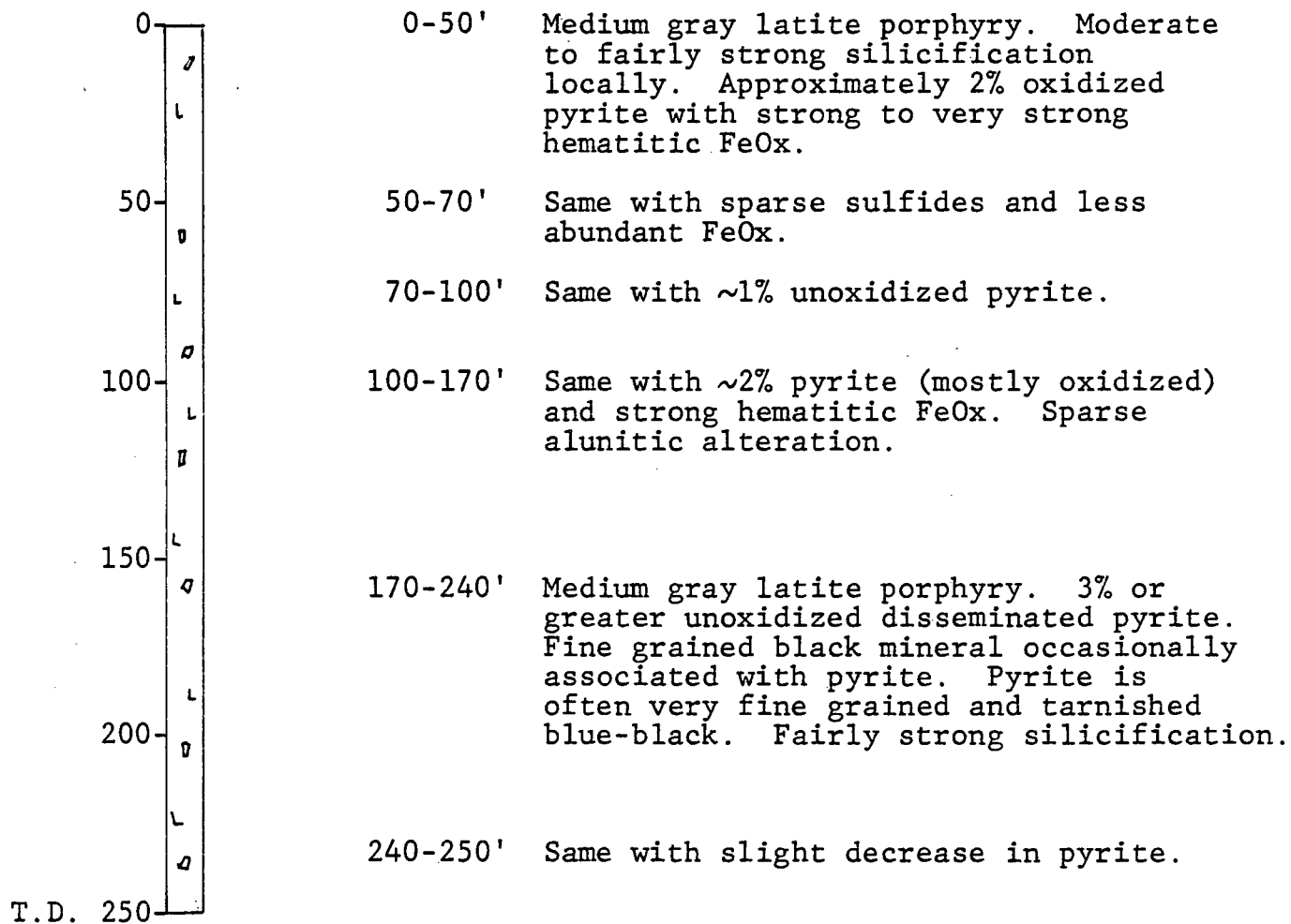
RDH 77-GLE-96



0-200' Medium gray latite porphyry. Only very sparse oxidized sulfides throughout and weak to moderate argillic alteration of groundmass and phenocrysts. Manganese staining common near bottom of hole.

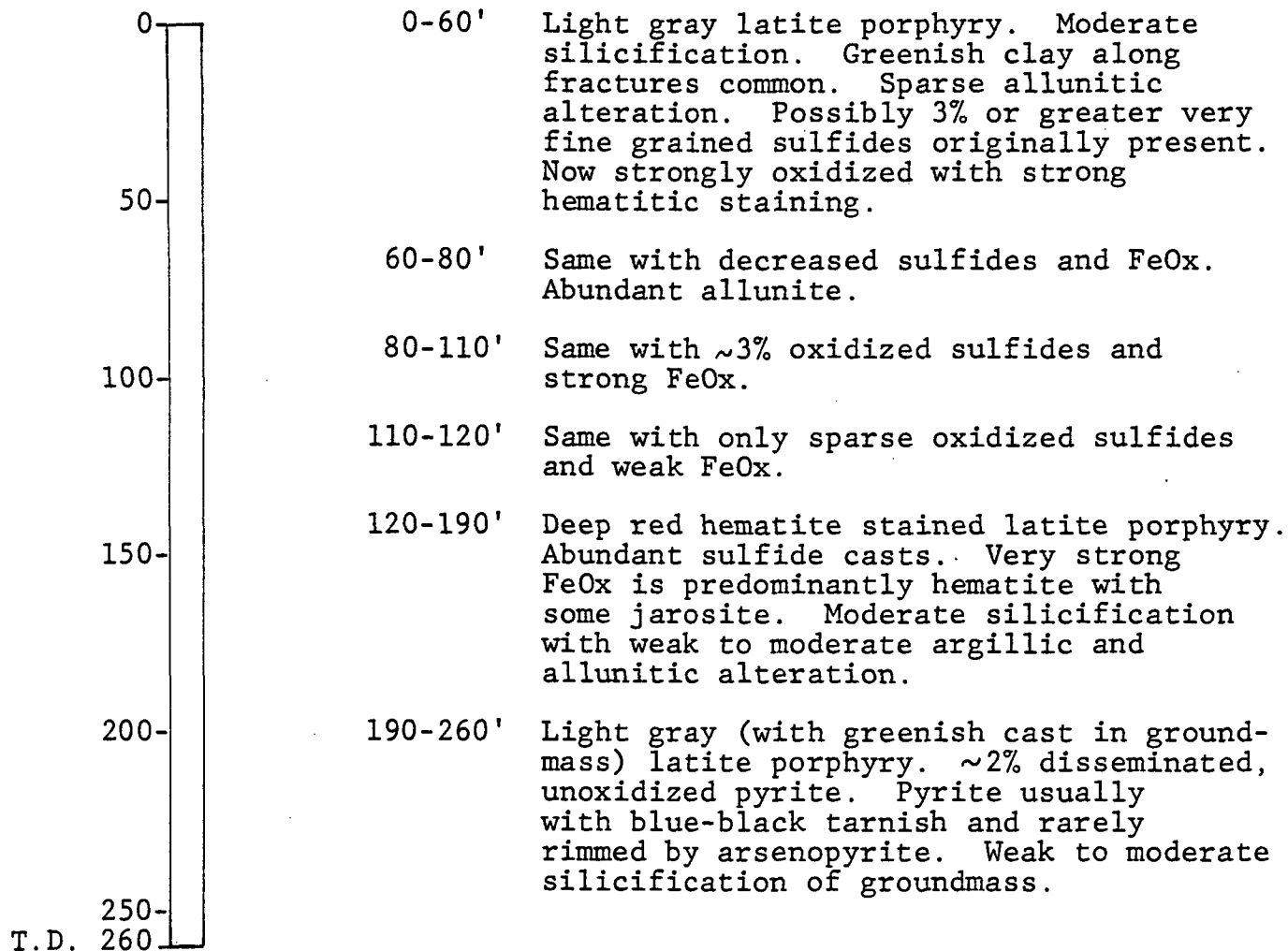
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-97



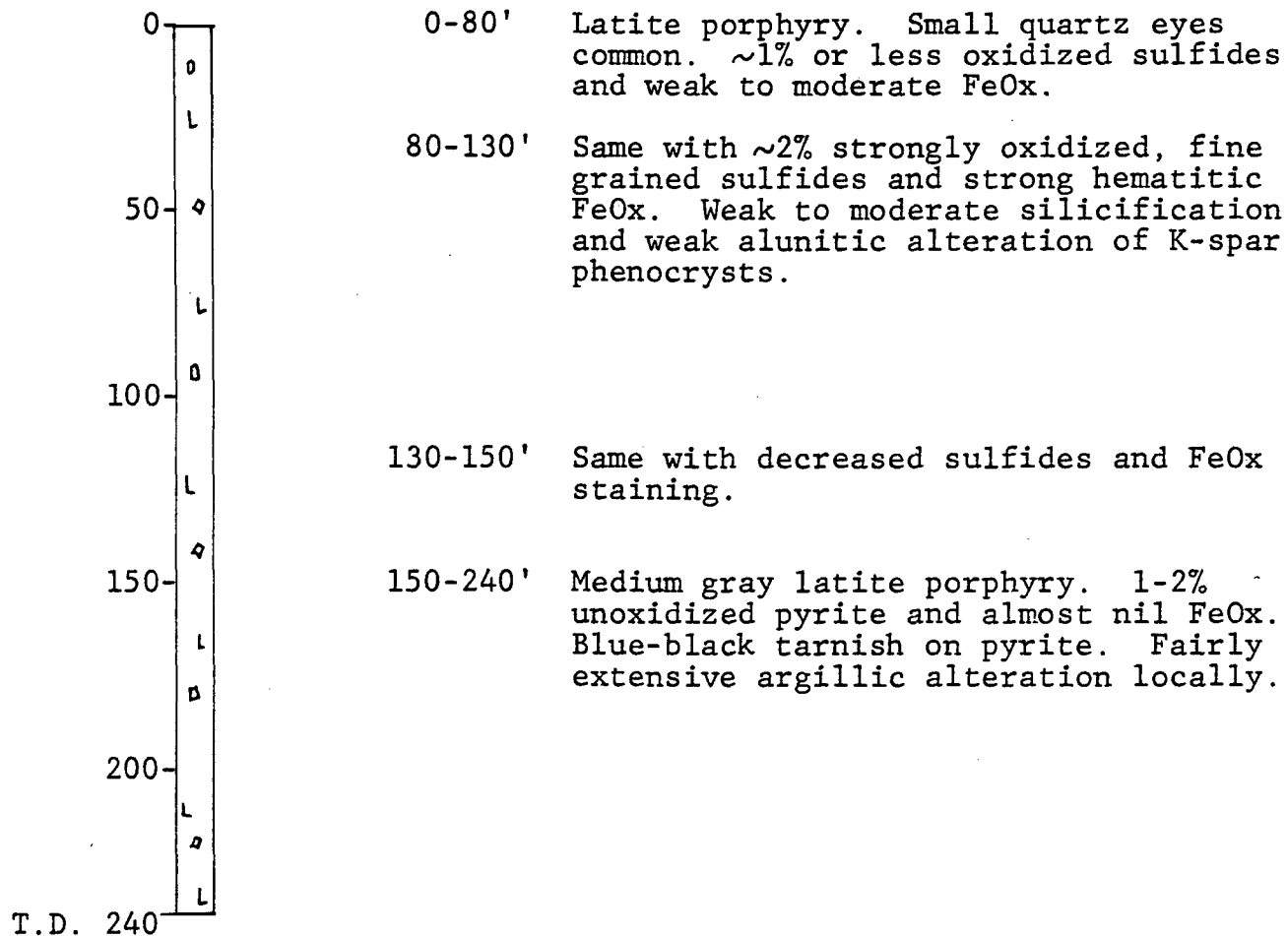
GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-98



GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-99



GILT EDGE PROJECT
Lawrence County, South Dakota

RDH 77-GLE-100

0	L	0-20'	Medium gray latite porphyry with moderate silicification and argillic alteration of feldspar phenocrysts. 1-2% oxidized sulfides, largely fracture controlled and weak to moderate hematitic FeOx.
50	T	20-50'	Light gray trachyte(?) porphyry with abundant quartz eyes. 3% or greater disseminated oxidized sulfides and strong hematite/jarosite FeOx.
100	L	50-120'	Medium gray latite porphyry. Weak to locally strong silicification and weak alunitic alteration. Sulfides variable from almost nil to strong fracture controlled locally with strong hematitic FeOx. Sulfides are mostly oxidized with occasional unoxidized pyrite tarnished blue-black.
150	L	120-130'	Same with strong oxidized sulfides and very strong hematitic FeOx.
200	L	130-170'	Same with 1-2% oxidized pyrite and weak to locally strong FeOx (Hematite).
250	L	170-200'	Blue gray, granular rock (contaminated latite?) with abundant quartz. 2% or greater (partially unoxidized) and strong hematitic FeOx locally.
T.D. 270	L	200-260'	Medium gray latite porphyry with 2% or greater disseminated pyrite (about ½ oxidized). Pyrite is commonly tarnished black. Fine grained clusters of unidentified black mineral occasionally associated with pyrite. Strong hematitic FeOx locally.
		260-270'	Same with 2% unoxidized pyrite and nil FeOx.